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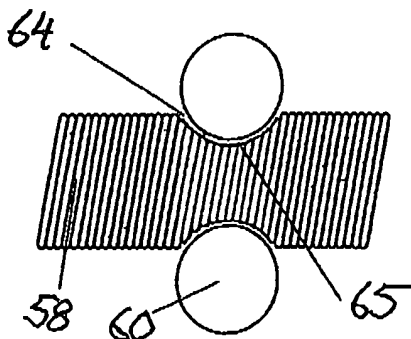
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(54) Title: ROLLING BEARING



(57) Abstract: In rolling bearings such as ball bearings comprised of two co-axially arranged bodies (3, 2; 14, 15; 28, 29; 40, 45; and 54, 58), one of these being disposed outside the other, the two bodies having two opposing surfaces between which there are arranged a number of rotatable units (6, 17, 30, 42 and 60) such as balls or rollers, said opposing surfaces having grooves, the units being retained in the grooves of the two opposing surfaces of the two bodies, at least one of these bodies being formed of a helical spring that has the character of a sleeve and is so wound that a grooved section (4, 16, 22, 32, 41, 48 and 57) results, it has been shown that, if the groove's outer surface is matched to the outer surfaces of the rotatable units, the loading to which the rolling bearing is subjected can be considerably increased.

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